

Abstract

The invention concerns a method of reactive power regulation in an electrical network, in which electrical power is produced by an electrical generator preferably driven by the rotor of a wind power installation and suitably modulated by means of a compensation device between the generator and the network for the compensation of reactive power, and an apparatus for producing electrical energy in an electrical network, comprising an electrical generator preferably driven by the rotor of a wind power installation and a compensation device between the generator and the network for the compensation of reactive power. The particularity of the invention is that the compensation device is so regulated that the electrical power delivered to the consumer has a reactive power component which is adapted in respect of its phase, amplitude and/or frequency to the consumer in such a way as to compensate for the reactive power in the consumer.